

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/914,474		08/29/2001	Akio Koyama	XA-9543	5348	
181	7590	07/27/2005		EXAMINER		
		BRIDGE PC	ABRAHAM, FETSUM			
1751 PINNACLE DRIVE SUITE 500				ART UNIT	PAPER NUMBER	
	MCLEAN, VA 22102-3833				2826	
				DATE MAILED: 07/27/2009	DATE MAILED: 07/27/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	09/914,474	KOYAMA, AKIO					
Office Action Summary	Examiner	Art Unit					
	Fetsum Abraham	2826					
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address -							
Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on 03 M	lay 2005.						
	action is non-final.						
,	<u> </u>						
Disposition of Claims							
 4) Claim(s) 1 and 7-46 is/are pending in the application. 4a) Of the above claim(s) 39-42 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) all is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 							
Application Papers							
9)☐ The specification is objected to by the Examiner.							
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:						

DETAILED ACTION

Claims 39-42 have been withdrawn from consideration since they are nonelected method claims by original presentation.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1,7-27,43-46 are under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential structural cooperative relationships of elements, such omission amounting to a gap between the necessary structural connections. See MPEP § 2172.01. The omitted structural cooperative relationships are:

Claims 1,7-14 field effect transistors and plurality of basic cells such that the transistors are arranged in each plurality of basic cells formed in said semiconductor region. Then said switch elements are indicated to be part of the field effect transistors in said plurality of cells that are not used to function logic operations. Then the claims indicate that the switch elements are "provided between said semiconductor region and power supply wirings".

This claim language creates a structural relationship problem because it locates said switching elements in said semiconductor region because they are a portion of the transistors in said basic cells which are formed in said region but also outside said region because they are located between the region and the substrate. The location of the switching elements cannot be in the two places simultaneously.

Claims 1,7-27, and 28-33 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

As for claims 1-7-27, the exact location of said switching elements is indefinite as claimed since the elements are claimed to be in two mutually exclusive regions, said semiconductor region and an unknown region outside the region.

The location of the supply wirings within the overall claimed structure is unknown and specially confusing taking into consideration the contradictive location of said switching elements.

As for claims 28-33,36,37,38 the location of said second semiconductor region having an opposing conductivity type material to said first region within the substrate is undefined. It seems like it has similar conductivity type to the substrate and is probably formed inside first region. However, the claim language must define its location so that the claim language can be understood fully for proper examination.

As for claims 34-38, the exact location of said plurality of cells for input/output circuits is unknown. It is said to be inside said peripheral circuit region but is not clear whether it is inside said semiconductor region, which are said to be formed in said peripheral circuit region or in the region outside the semiconductor region but in the peripheral region.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fetsum Abraham whose telephone number is: 571-272-1911. The examiner can normally be reached on 8:00 - 18:00.

Art Unit: 2826

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan J Flynn can be reached on 571-272-1915.

Fetsum Abraham

7/18/05